

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	340	398/115.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/09 18:55
L2	89	L1 and (transceiv\$5 or (transmit\$4 or transmission) near2 receiv\$5 or tx near2 rx or tx?rx) near4 antenna	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/09 18:55
L3	1	L2 and "20030228151"	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/09 18:55
S1	2	"2004024969"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/08 17:31
S2	2	"2004024969"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/08 17:33
S3	1	"20040264969"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/09 10:33
S4	340	"398"/\$7.ccls. and (communication or reception or transmission) near3 require\$4 near3 signal\$1	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/08 17:52
S5	62	S4 and (wireless or UWB or ultra?wide)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/08 17:56
S6	85	398/127.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/08 17:57
S7	0	S6 and uwb	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/08 17:57
S8	33	("398"/\$7.ccls. or "359"/\$7.ccls. or "370"/\$7.ccls. or "372"/\$7.ccls. or "375"/\$7.ccls. or "379"/\$7.ccls. or "250"/\$7.ccls.) and (ultra?wide near3 band or uwb or antenna or receiver near2 wireless) same (bias or threshold\$3 or comparator) and (soa or semiconductor near5 amp\$8)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/09 10:39

## EAST Search History

S9	179	("398"/\$7.ccls. or "359"/\$7.ccls. or "370"/\$7.ccls. or "372"/\$7.ccls. or "375"/\$7.ccls. or "379"/\$7.ccls. or "250"/\$7.ccls.) and (ultra?wide near3 band or uwb or antenna or receiver near2 wireless or rf) same (bias or threshold\$3 or comparator) and (soa or semiconductor near5 amp\$8)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/09 10:37
S10	307	398/139.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/09 10:40
S11	5	S10 and access near3 point\$1	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/09 10:40
S12	3	("5493437"   "6213651"   "6402393").PN. OR ("6877913").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/09 10:42
S13	5	("4397042"   "5659299"   "6188494"   "6519236").PN. OR ("6920289").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/09 10:43
S14	17	("3976873"   "3995155"   "5251053"   "5379309"   "5386137"   "5608565"   "5657374"   "5710651"   "5777771"   "5798856"   "5880863"   "5917636"   "5949564"   "5969837"   "5987303").PN. OR ("6731880").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/09 10:53
S15	11	("5488413"   "5528582"   "5623422"   "5640196"   "5657374"   "5815794").PN. OR ("5987303").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/09 10:54
S16	22	("3924187"   "4002843"   "5481542"   "5499047"   "5570347"   "5572517"   "5606725").PN. OR ("5815794").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/09 10:56
S17	34	("4941207"   "5067173"   "5125100"   "5237639"   "5280472"   "5359447"   "5400419"   "5424864"   "5448581"   "5457357"   "5493577"   "5519691"   "5642405"   "5644622"   "5657374"   "5682379"   "5694232"   "5696862"   "5702305").PN. OR ("5969837").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/09 10:59

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S18	17	("20020181444"   "20030059039"   "4578815"   "5566173"   "5682256"   "5802173"   "5969837"   "5982854"   "6047188"   "6195566"   "6324391"   "6336042"   "6480522"   "6497599"   "6512784"   "6807374"   "6937878").PN. OR ("7003321").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/09 11:13
S19	911	(optical\$3 near3 amplifier or optical\$3 near3 amplif\$7 or soa or semiconduct\$4 near4 amplif\$7) with (detection or detect\$3 or acknowledg\$3 or establish\$3 or confirm\$5 or observ\$5 or identif\$5 or establish\$3 or determine or determi\$6) with signal\$1 same (transmit\$4 or trasmission or tx) and (receiver or reception or receive or rx or receiv\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/09 11:20
S20	546	(optical\$3 near3 amplifier or optical\$3 near3 amplif\$7 or soa or semiconduct\$4 near4 amplif\$7) with (detection or detect\$3 or acknowledg\$3 or establish\$3 or confirm\$5 or observ\$5 or identif\$5 or establish\$3 or determine or determi\$6) with signal\$1 same (transmit\$4 or trasmission or tx) same (receiver or reception or receive or rx or receiv\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/09 11:27
S21	64	(optical\$3 near3 amplifier or optical\$3 near3 amplif\$7 or soa or semiconduct\$4 near4 amplif\$7) with (detection or detect\$3 or acknowledg\$3 or establish\$3 or confirm\$5 or observ\$5 or identif\$5 or establish\$3 or determine or determi\$6) with signal\$1 same (transmit\$4 or trasmission or tx) same (receiver or reception or receive or rx or receiv\$4) same (bias or bias or threshold\$3 or comparator or antenna\$1 or broadband or uwb or wideband)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/09 11:30
S22	6	("20020048071"   "20020089719"   "20030016418"   "5953045"   "6525849"   "6614819").PN. OR ("7127176").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/09 11:39
S23	1	("5515199").PN. OR ("6788832").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/09 11:52

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S24	28	("4247956"   "4313224"   "4435849"   "4696060"   "4882774"   "4887309"   "4954786"   "5003268"   "5054876"   "5113459").PN. OR ("5355250").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/09 11:56
S25	4	("4958354"   "5128950"   "5140603").PN. OR ("5289480").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/09 12:07
S26	90	398/138.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/09 12:08
S27	22	("4471494"   "4879764"   "5027434"   "5063612"   "5122893"   "5268917").PN. OR ("5526160").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/09 12:28
S28	308	398/139.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/09 12:28
S29	25	S28 and antenna	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/09 12:28
S30	137	(398/139.ccls. or 398/138.ccls. or 398/135.ccls. or 398/136.ccls. or 398/137.ccls. or 398/140.ccls. or 398/141.ccls.) and antenna\$1	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/09 12:30
S31	20	S30 and switch\$5 with (transmit\$4 or trasmission or tx) near7(receiver or reception or receive or rx or receiv\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/09 13:57
S32	13	antenna\$1 same (soa or semiconduct\$5 near3 amplif\$8) same bias same switch\$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/09 14:12
S33	340	398/115.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/09 14:12
S34	20	("20020035404"   "20020071577"   "4718112"   "5583965"   "5650831"   "5722041"   "5802467"   "5878394"   "5963624"   "6008777"   "6097441"   "6108614"   "6151490"   "6199136"   "6229433"   "6359636"   "6396544"   "6400968"   "6407779"   "6476727").PN. OR ("7006006").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/09 14:33
S35	89	S33 and (transceiv\$5 or (transmit\$4 or transmission) near2 receiv\$5 or tx near2 rx or tx?rx) near4 antenna	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/09 18:54

## EAST Search History

S36	7	S35 and (soa or semiconduct\$5 near3 amplifier)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/09 14:38
S37	1	"398"/\$7.ccls. and (transceiv\$5 or (transmit\$4 or transmission) near2 receiv\$5 or tx near2 rx or tx?rx) near4 antenna same (soa or semiconduct\$5 near3 amplifier)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/09 14:38
S38	270	"398"/\$7.ccls. and (transceiv\$5 or (transmit\$4 or transmission) near2 receiv\$5 or tx near2 rx or tx?rx) near4 antenna	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/09 14:39
S39	15	S38 and (soa or semiconduct\$5 near3 amplifier)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/09 15:29
S40	16	S38 and (eam or electro?absorpt\$6 or electroabsorpt\$6)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/09 16:03